

Appl. No. 10/800,623
Response dated: July 17, 2008
Reply to OA of: March 17, 2008

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1-13. (canceled)

14. (new) A method for culturing organic blue-green algae, comprising the steps of:

obtaining a culture medium comprising a fermented and aerated high-nitrogen organic substance and wherein said culture medium is free of inorganic salts;
obtaining an algae species;
inoculating said algae species in said culture medium; and
culturing said algae in said culture medium in an organic environment free of inorganic additives.

15. (new) The method according to claim 14, wherein said culture medium is free of carbonate or hydrogen carbonate.

16. (new) The method according to claim 14, wherein said culture medium further comprises edible microorganisms.

17. (new) The method according to Claim 14, wherein said high-nitrogen organic substance is a high-protein organic matter.

18. (new) An organic blue-green algae cultured according to the method of claim 14.

19. (new) The method according to claim 14, further comprising harvesting

said algae.

20. (new) The method according to claim 14, further comprising obtaining the culture medium by agitating and fermenting high-nitrogen organic material with microbiological strains selected from the group consisting of lactobacillus rhamnosum LGG, lactobacillus acidophilus, streptococcus lactis, bacillus subtilis, brewers yeast and rhodopseudomonas palustris.

21. (new) The method according to claim 14, further comprising obtaining the culture medium by

agitating and fermenting a mixture of high-nitrogen organic material and a microbiological strain selected from the group consisting of lactobacillus rhamnosum LGG, lactobacillus acidophilus, streptococcus lactis, bacillus subtilis, brewers yeast and rhodopseudomonas palustris;

diluting the mixture; and

subjecting the diluted mixture to aeration and agitation to obtain a culture medium with a pH of 8.0 or greater without adding inorganic salts.

22. (new) The method according to claim 21, wherein said culture medium is free of inorganic salts selected from the group consisting of Na_2CO_3 , NaHCO_3 , and NaH_2PO_4 .

23. (new) The method according to claim 20, wherein said culture medium further comprises edible microorganisms.

24. (new) The method according to claim 20, wherein said high-nitrogen organic substance is a high-protein organic matter.

25. (new) An organic blue-green algae cultured according to the method of claim 20.

26. (new) A method for culturing organic blue-green algae, comprising the steps of:

obtaining a culture medium by agitating and fermenting high-nitrogen organic material with a microbiological strain selected from the group consisting of lactobacillus rhamnosum LGG, lactobacillus acidophilus, streptococcus lactis, bacillus subtilis, brewers yeast and rhodopseudomonas palustris under conditions to provide a culture medium i) free of inorganic salts, ii) having a fermented and aerated high-nitrogen organic substance, and iii) having a pH of 8.0 or greater;

obtaining an organic blue-green algae species;

inoculating said algae species in said culture medium; and

culturing said algae in said culture medium in an organic environment free of inorganic additives.

27. (new) The method according to claim 26, wherein said culture medium is free of an inorganic salt selected from the group consisting of Na_2CO_3 , NaHCO_3 , and NaH_2PO_4 .

28. (new) The method according to claim 26, wherein said culture medium further comprises edible microorganisms.

29. (new) The method according to claim 26, wherein said high-nitrogen organic substance is a high-protein organic matter.

30. (new) An organic blue-green algae cultured according to the method of claim 26.

31. (new) A method for culturing organic blue-green algae, comprising the steps of:

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obtaining a culture medium i) having a pH of 8.0 or greater and ii) having a fermented high-nitrogen organic substance obtained by agitating and fermenting a high-nitrogen organic material with a microbiological strain selected from the group consisting of lactobacillus rhamnosum LGG, lactobacillus acidophilus, streptococcus lactis, bacillus subtilis, brewers yeast and rhodopseudomonas palustris;

obtaining an organic blue-green algae species;

inoculating said algae species in said culture medium; and

culturing said algae in said culture medium.

32. (new) The method according to claim 31, wherein said culture medium is free of inorganic salts and the algae is cultured in an organic environment free of inorganic additives.

33. (new) The method according to claim 31, wherein said high-nitrogen organic substance is a high-protein organic matter.